



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 2] नई दिल्ली, शनिवार, जनवरी 14, 1989 (पौषा 24, 1910)
No. 2] NEW DELHI, SATURDAY, JANUARY 14, 1989 (PAUSA 24, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस

[(Notifications and Notices issued by the Patent Office relating to Patents and Designs)]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 14th January, 1989

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below—

Patent Office Branch,
Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATENTOFIC".

—417 GI/88

Patent Office Branch,
61, Wallajah Road,
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The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a schedule bank at the place where the appropriate office is situated.

APPLICATIONS FOR PATENTS FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under Section 135, of the Patents Act, 1970.

The 6th December, 1988

1008/Cal/88. Deutsche Voest-Alpine Industrieanlagenbau
GmbH. (Formerly Korf Engineering GmbH).
Process for melting scrap and apparatus for per-
forming the process.

1009/Cal/88. Lanxide Technology Company, LP. A method
of modifying ceramic composite bodies a carbu-
rization process and articles made thereby.

1010/Cal/88. Lanxide Technology Company, LP. A method
of producing and modifying the properties of
ceramic composite bodies.

The 7th December, 1988

1011/Cal/88. Hitachi Ltd. Method for developing programs
in a distributed processing system.

1012/Cal/88. Hitachi Ltd. Method for processing data in
a distributed processing system.

1013/Cal/88. Heinz Bercuter. Novel salts and amines of
at least partially perfluorinated amino-and/or
amidocarboxylic acids and their use.

1014/Cal/88. Krupp Koppers GmbH. Process for convey-
ing a fine-grained to dusty fuel into a pressurized
gasification reactor.

1015/Cal/88. Krupp Koppers GmbH. Process and equip-
ment for pneumatically conveying a fine-grained
to dusty fuel into a pressurized gasification
reactor.

The 8th December, 1988

1016/Cal/88. Vsesojuzny Nauchno-Issledovatel'skiy I Pro-
ektny Institut Mekhanicheskoi Obrabotki Polez-
nykh Iskopaemykh Mekhanobr. Method of and
apparatus for milling fibrous materials.

1017/Cal/88. Etienne Schlumberger and Maurice Schlum-
berger. Method and device for reconstructing
the shape and position of objects in space.

The 9th December, 1988

1018/Cal/88. (1) Vologodskiy Politekhniicheskiy Institut
USSR; (2) Donetsk Nauchno-Issledovatel'skiy
Institut Chernoi Metallurgii USSR. Device for
temperature control of flat metal in hot rolling.

1019/Cal/88. Electrolux Northern Limited (Formerly known
as Flymo Limited) Rotary Mower. (Convention
dated 18-12-1987) U. K.

The 12th December, 1988

1020/Cal/88. Biren Das Gupta. Tubewell Stainer or fitter.

1021/Cal/88. Degussa Aktiengesellschaft. Process for dis-
posal of hardening shop effluent.

The 13th December, 1988

1022/Cal/88. Stopinc AG. A fire-proof sealing plate and
a slide loc at the spout of a container contain-
ing metallic melt.

1023/Cal/88. Morpho-Systems. Automatic finger print
identification system including processes and
apparatus for matching fingerprints.

The 14th December, 1988

1024/Cal/88. Krupp Koppers GmbH. Process and equip-
ment for cooling hot product gas leaving a gasi-
fication reactor.

1025/Cal/88. Krupp Koppers GmbH. Process and equip-
ment for cooling partial oxidation gas.

1026/Cal/88. Commonwealth Scientific and Industrial Re-
search Organisation. Ribozymes. (Convention
dates are 15-12-1987, 19-8-1988, 9-9-1988,
4-11-88 and 7-11-1988) all are Australia.

1027/Cal/88. Stanton PLC. Pipe Joints. (Convention
dated 6th January 1988) U. K.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-5

The 7th November, 1988

957/Del/88. Council of Scientific & Industrial Research, "An
improved process for catalytic oxidative conver-
sion of methane to C2-hydrocarbons in presence
of free oxygen".

958/Del/88. Council of Scientific & Industrial Research,
"Improvements in or relating to the method of
preparation of a cationic flocculants for treat-
ment of effluents".

959/Del/88. Council of Scientific & Industrial Research, "An
"Process for the preparation of novel crystalline
aluminosilicate".

960/Del/88. Council of Scientific & Industrial Research, "An
improved process for preparation of carboxylic
acid anhydrides".

961/Del/88. Council of Scientific & Industrial Research, "An
improved 2-step box type solar cooker".

962/Del/88. Council of Scientific & Industrial Research,
"Improved fire extinguishing foam composition".

963/Del/88. Council of Scientific & Industrial Research, "An
Improved process for the preparation of high
intrinsic coercivity Sr-ferrite powder".

964/Del/88. Council of Scientific & Industrial Research,
"Process for the preparation of a catalyst com-
posite material".

965/Del/88. Council of Scientific & Industrial Research,
"Pressure algometer".

966/Del/88. Council of Scientific & Industrial Research,
"Improvements in or relating to red emitting
europium activated yttrium oxysulphide phos-
phors for use in color television picture tubes".

967/Del/88. Council of Scientific & Industrial Research, "A
method for plating of platinum on titanium
alloy".

968/Del/88. Council of Scientific & Industrial Research,
"Improvements in or relating to blue emitting
europium activated alkaline earth halo phosphor
phosphors for use in television (colour) pic-
ture tubes and lamps".

969/Del/88. Shell Internationale Research Maatschappij B.V. "Process for the production of methanol and catalyst composition for said process".

970/Del/88. The Lubrizol Corporation, "Nitrogen-containing esters of carboxy-containing interpolymers".

The 8th November, 1988

971/Del/88. Norsk Hydro A.S., "A process for the production of granulated di-ammonium phosphate containing fertilizer".

972/Del/88. JS Telecommunications, "Time base circuit".

The 10th November, 1988

973/Del/88. The Lubrizol Corporation, "Aminoplast catalyst and composition".

974/Del/88. Portals Ltd., "Security paper for bank notes and the like". (Convention date 4th December, 1987 & 31st August, 1988) (U.K.).

The 10th November, 1988

975/Del/88. Shell Oil Company, "Process for preparing stabilized olefin polymers".

The 11th November, 1988

976/Del/88. Council of Scientific & Industrial Research, "A method for enhanced dewaxing of crude rice bran oil".

977/Del/88. Mohan C. Mistry, "Folding Cot. (Bed)".

978/Del/88. DSC Communications Corporation, "Interprocessor switching network".

979/Del/88. Exxon Chemical Patents, Inc., "Coating of pesticide with sulfonated polymers".

980/Del/88. Exxon Chemical Patents, Inc., "Controlled release vegetation enhancement agents coated with sulfonated polymers, method of production and processes of use".

981/Del/88. Kennecott Mining Corporation, formerly known as Kennecott Corporation, "Apparatus for holding sensing probe". [Divisional date 7th March, 1986].

The 15th November, 1988

982/Del/88. Council of Scientific & Industrial Research, "A process for the synthesis of 6-methoxy-8-(N-substituted-1-methyl-4-aminobutyl) aminoquinoline".

983/Del/88. Council of Scientific & Industrial Research, "An improved process for enzymatic transformation of rifamycin B to rifamycin".

984/Del/88. Council of Scientific & Industrial Research, "A process for the preparation of an extra cellular cellulase free xylanase from an alkalophilic bacillus".

985/Del/88. National Institute of Immunology, "Preparation of anti LHRH vaccine causing atrophy of prostate".

986/Del/88. ABB STAL AB., "A method of controlling a PFBC plant in the event of operational disturbance in the gas turbine unit and a PFBC plant with equipment for such control".

987/Del/88. Exxon Research and Engineering Co., "Selective separation of aromatic hydrocarbons from a mixture of aromatic and saturated hydrocarbons using polyethylene glycol impregnated hydrophilic membranes".

988/Del/88. Glaverbel, "Surface treatment of refractories". (Convention date 17th December, 1987) (U.K.).

989/Del/88. The Secretary of State for Defence in her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, "Linear hollow charge devices". (Convention date 17th December, 1987) (U.K.).

990/Del/88. Alcan International Ltd., "Refractory material produced from red mud". (Convention date 26-11-87) Canada.

991/Del/88. International Telesystems, Inc., "Restricted access television transmission system".

The 16th November, 1988

992/Del/88. Thapar Corporate Research & Development Centre, "A novel method of immobilization of whole cells of yeast or bacteria".

993/Del/88. Morgan Construction Co., "Cooling bed run in table".

994/Del/88. Imperial Chemical Industries PLC., "Epoxide advancement".

995/Del/88. Jean Guigan, "A device for dispensing a predetermined quantity of a liquid".

996/Del/88. Alsthom, "A railroad switch motor system".

997/Del/88. Exxon Chemical Patents Inc., "Concentrate". (Convention date 26th April, 1985) (U.K.) & [Divisional date 23rd April, 1986].

The 17th November, 1988

998/Del/88. National Council for Cement & Building Materials, "A Process and system for causing a separation of the fines from the coarser particles".

999/Del/88. Shriram Institute for Industrial Research, "A process for the preparation of edible capsules".

1000/Del/88. Council of Scientific & Industrial Research, "An improved method for DNA fingerprinting".

1001/Del/88. The procter & Gamble Co. & Novo Industri A/S, "Detergent compositions containing cellulase granulates". (Convention date 19th November, 1987) (U.K.).

1002/Del/88. Rohm and Hass Co., "Insecticidal hydrogenated neem extracts".

The 18th November, 1988

1003/Del/88. Atlas Powder Co., "Macroemulsion for preparing high density explosive compositions".

1004/Del/88. Exicom Australia Pty. Ltd., "A switch operating mechanism". (Convention date 18th November, 1987) (Australia).

1005/Del/88. Bio Serac Laboratories Sarl, "Procedure and Coagulant for curdling camel's milk and resultant coagulated product".

1006/Del/88. Atlas Powder Co., "Stable fluid systems for preparing high density explosive compositions".

1007/Del/88. Heinz Schaff OHG Nahrungsmittel-Extrusionstechnik, "Method for producing snacks or the like products".

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

The 28th November, 1988

840/Mas/88. Sampath Jaday Manirao. 'Discovery' (A device for playing an indoor game).

841/Mas/88. Shane Robert McGill. Dispensing apparatus. (December 10, 1987; Great Britain).

- 842/Mas/82. Amsted Industries Incorporated. Sand dispensing assembly.
- 843/Mas/88. Minnesota Mining and Manufacturing Company. Disposable diaper with improved fastener attachment.
- 844/Mas/88. Akzo NV. Laminates from textile sheet like structure and breathable folia.
- 845/Mas/88. Hoogovens Groep BV. Repair of the refractor lining of the wall of a shaft furnace and a repaired shaft furnace.
- 846/Mas/88. Mannesmann Aktiengesellschaft. Electrode holding and positioning.
- 847/Mas/88. Robert Tapper. Method and apparatus for minimizing skin injury with electrode use.
- 848/Mas/88. Maschinenfabrik Rieter AG. Apparatus for jointly changing bobbin tubes on a textile machine, more particularly a ring spinning machine.

The 29th November, 1988

- 849/Mas/88. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A fibre bale opening device.
- 850/Mas/88. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A device for opening fibre bales.
- 851/Mas/88. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A spinning machine.

The 30th November, 1988

- 852/Mas/88. Averampalayam Gopalswami Naidu Govindarajulu. Improvements in or relating to travelling cleaners for use in industrial units such as textile units.
- 853/Mas/88. Davy McKee (London) Limited. Process. (December 2, 1987; United Kingdom).
- 854/Mas/88. Indian Space Research Organisation. A process for preparing a propellant grain.
- 855/Mas/88. Compagnie Generale Des Etablissements Richelin-Michelin & CIE. Process for the butted connecting of the edges of a rubberized fabric intended for the manufacture of a carcass reinforcement, and the tire with radial carcass reinforcement obtained thereby.
- 856/Mas/88. Zimpro/Passavant Inc. Two-stage wastewater treatment process.
- 857/Mas/88. Schlumberger Industries. A data medium and system for handling such media.
- 858/Mas/88. Maschinenfabrik Rieter AG. Cap spinning device.

The 1st December, 1988

- 859/Mas/88. Stamicarbon B.V. Process for removing mercury from a non-plar organic medium.
- 860/Mas/86. Mefina S.A. A sewing machine.
- 861/Mas/88. MB Group PLC. A process for making a sealed container and a container made thereby. (May 14, 1984; United Kingdom). (Patent of Addition to Application No. 359/Mas/85).
- 862/Mas/88. Indian Institute of Technology. Microprocessor based smart induction motor controller.

The 2nd December, 1988

- 863/Mas/88. Institutet for Verkstadsteknisk Forskning. A method for conveying and depositing adhesive flexible material and a device for performing the method.
- 864/Mas/88. GEC Plessey Telecommunications Limited. A hook arrangement. (December 18, 1987; United Kingdom).

- 865/Mas/88. Michelin Recherche ET Technique S.A. A method of manufacturing an article such as a fibre or film having a base of at least one cellulose derivative. (Application of Division to 612/Mas/85.)

ALTERATION OF DATE

164121. Ante-dated to 3rd February, 1982.
(1050/Mas/84)

OPPOSITION PROCEEDINGS

(1)

The application for Patent No. 155043 by Shri Jagannath Ramachandra Yadav, Satara in respect of which an opposition was entered by M/s. Walchandnagar Industries Ltd., Pune as notified in the Gazette of India, Part III, Section 2 dated 20th July, 1985 has been treated as refused.

(2)

The application for Patent No. 159589 made by M/s Rockwell International Corporation in respect of which opposition was entered by M/s Audco India Limited, as notified in Gazette of India, Part-III, Section 2 dated 26th December, 1987 has been abandoned and no Patent shall be sealed.

[CLAIMED UNDER SECTION 20(1)]

(1)

The Claim made by Royal Ordnance Plc. Under Section 20(1) of the Patent Act 1970 to proceed the application for Patent No. 156542 in their name has been allowed.

(2)

The claim made by Bandag Licensing Corporation under Section 20(1) of the Patents Act 1970 to proceed the Application for Patent No. 158458 in their name has been allowed.

PATENTS SEALED

155652	155653	156542	158458	161243	161789	161852
161871	162030	162208	162244	162256	162261	162284
162301	162306	162311	162327	162333	162341	162346
162347	162352	162359	162364	162368	162370	162371
162374	162376	162377	162378	162382	162386	162387
162388	162392	162394	162395	162396	162397	162398
162399	162400	162402	162403	162406	162407	162408
162411	162413	162414	162415	162417	162418	162449
162487	162513	162518	162520	162541	162542	162543
162544	162545	162546	162549	162557	162558	162561
162564	162565	162566	162569	162570	162572	162581
162583	162584	162585	162586	162589		

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by IT (GROUP SERVICES) LIMITED in respect of Patent No. 159504 as advertised in Part III, Section 2 of the Gazette of India, dated the 23rd January 1988 have been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Isover Saint-Gobain "Les Miroirs of 18 Avenue d'Alsace, 92400 Courbevoie, France, a French Company have made an application Under Section 57 of the Patents Act, 1970 for amendment of Specification of their Patent application No. 159985 for "process for the preparation of a Condensation product of phenal, formaldehyde and urea". The amendments are by way of and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700020 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the same.

RENEWAL FEES PAID

142600	143537	144088	144835	145022	145314	146500
146510	146914	147020	147049	147622	147701	148056
148099	148609	148901	148902	149191	149207	149306
149318	149461	149682	150328	150352	150398	150418
150567	150703	150764	150896	150897	151080	151169
151900	151944	152048	152429	152513	152636	152702
152869	153243	153256	153333	153368	153393	153395
153396	153414	153451	153537	153732	154418	154728
154729	154755	154759	154763	154764	154762	154853
155014	155133	155629	155771	155915	155927	156183
156691	156721	156874	157218	157255	157268	157490
157503	158299	158355	158357	158358	158460	158554
158658	158669	158734	158868	158944	158963	159068
159275	159276	159392	159495	159543	159900	160047
160152	160284	160365	160550	160559	160561	160562
160570	160571	160572	160576	160585	160586	160589
160590	160682	160683	160685	160686	160734	160752
160757	160759	160760	160767	160768	160770	160771
160776	160777	160789	160929	160932	160976	161051
161063	161383	161463	161474	161480	161511	161512
161518	161553	161555	161559	161574	161575	161601
161670	161691	161724	161773	161777	161791	161792
161920	161921	162061	162109	162152		

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158758 granted to Precision Moulding Private Limited for an invention relating to "an improved closure having triple pilfer-resistant seals for container oxifce/neck ring and the like".

The patent ceased on the 14th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 3-9-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th March 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration Patent No. 157383 granted to Leonard Richard Kahn, for an invention relating to 'an envelope detector for receiving an amplitude modulated carrier signal.'

The Patent ceased on the 27th July 1987 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 17-9-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th March 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate,

setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 159445 granted to Diversified Products Corporation for an invention relating to "a leg lift exercise device".

The Patent ceased on the 7th July 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2, dated the 17-9-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th March 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 158354 granted to Mrs. Vimal Goyal for an invention relating to "a Retractable clothesline".

The Patent ceased on the 16th March 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 17-9-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th March 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157204 granted to Seemallai Paramasivam for an invention relating to "an improved file".

The Patent ceased on the 18th August 1987 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part III, Section 2 dated the 17-9-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 14th March 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

CESSATION OF PATENTS

145983	145984	145988	145990	145992	145994	145996
145998	145999	146001	146002	146003	146005	146006
146007	146010	146013	146015	146016	146018	146019
146020	146021	146023	146027	146029	146031	146032
146036	146037	146038	146039	146041	146042	146046

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 164101 146102 146103 146104 146106 146107 146109
 146112 146116 146117 146121 146125 146127 146128
 136129 146132 146134 146135 146137 146138 146139
 146142 146144 146148 146149 146152 146153 146154
 146155 146156 146158 146163 146164 146165 146166
 146169 146170 146171 146174 146175 146177 146178
 146179 146180 146181 146182 153883 159700 159904
 159906 160020 160021 160691 161024.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159943. The Post Office, a British Public authority incorporated by statute, of Post Office Headquarters, 33 Grosvenor place, London SW1X 1 PX, United Kingdom. an "Article Chute" 13th July, 1988.

Class 1. No. 160052. Bhanu Pratap Singh Chauhan, of 12/4 Mathura Road, Faridabad-121 003, Haryana, India, an Indian national. "Trailer" 26th August, 1988.

Class 3. Nos. 159497 & 159498. Furn Plastic Industries Ltd, Leo House, 88C, Old Prabhadevi Road, Bombay-400025, Maharashtra State, India. "Moulded Chair". 18th March, 1988.

Class 3. No. 159499. Furn Plastics Industries Ltd., Leo House, 88C Old Prabhadevi Road, Bombay-400025, Maharashtra State, India. "Moulded trolley with Castor". 18th March, 1988.

Class 3. No. 159681. Kissan Products Limited (an Indian Company) at Old Madras Road, Post Bag No. 1676, Bangalore 560 016, Karnataka State, India. "Container". 10th May, 1988.

Class 3. No. 159730. Sparkle Foods Pvt. Ltd. 404, Grand Canyon, 87, Palli Hill Road, Bandra, Bombay-400050, Maharashtra, India, a Private Limited Company incorporated under the Indian Companies Act. "Bottle" 23rd May, 1988.

Class 3. No. 159781. Lugano Swiss Company Pvt. Ltd. Trimurthy Building, Block C, Flat No. 67, 4 Lower Rowdon Street, Calcutta-700 020, West Bengal, India an Indian Company. "Ball Point Pen". 8th June, 1988.

Class 3. Nos. 159835 & 159836. Pace Marketing Specialities Limited, of 101, Kaisons House, 84 Nehru Place, New Delhi-110019, India, an Indian Company. "Container". 16th June, 1988.

Class 3. Nos. 159892 to 159898. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India "a sole for the footwear". 28th June, 1988.

Class 3. No. 159904. Smegy Polymers Pvt. Ltd., 6, Navyug Sagar, 183, Walkeshwar Road, Bombay-400 006, Maharashtra, India, a Private Limited company incorporated under the Indian Companies Act. "Bottle". 30th June, 1988.

Class 3. No. 159931. GEC Plessey Telecommunications Limited, P.O. Box 53, Telephone Road, Coventry CV3 1HJ, England, a "Telephone Instrument body". 11th July, 1988

Class 3. No. 159965. The Marmon Corporation, a Corporation organized and existing under and by virtue of the laws of the State of Delaware, U.S.A., and having a place of business at 39 S. Lasalle Street, Chicago, Illinois 60603, U.S.A. "an Egg Flat for Large Eggs". 19th July, 1988.

Class 3. No. 159971. Ravissant Private Limited, an Indian Company, 24-Nehru Place, New Delhi-110019, India. "SOFA". 20th July, 1988.

Class 3. No. 159992. Sally Enterprises, B-1642/1, Shastri Nagar, Delhi-110052, India, is a proprietorship concern. "Vaccum Cleaner". 28th July, 1988.

Class 3. Nos. 160010 & 160011. M/s. Arise Pharmaceuticals Krishna Cottage C. Op. Housing Society, Room No. 10, 1st Floor, Dattapada Cross Road No. 2, Borivli (East), Bombay-400066, State of Maharashtra, India, an Indian Partnership firm. "Inhaler". 3rd August, 1988.

Class 5. No. 159465. Messrs Classic Collections, Sole Proprietary Concern, whose address is 216-C, Mayur Building, Sodawala Lane, S. V. P. Road, Borivli (West) Bombay-400 096, in the State of Maharashtra, within the Union of India. "Box". 7th March, 1988.

Class 10. Nos. 159333 & 159334. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India. "a footwear". 27th January, 1988.

Class 10. Nos. 159886 to 159891. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, West Bengal, India. "Footwear". 28th June, 1988.

Class 10. No. 159905. Naveen Plastic, 2271/71, Tota Ram Bazar, Tinagar, Delhi-35. (India) An Indian Proprietorship Concern. "P. V. C. Footwear" 1st July, 1988.

Extn. of Copyright for the Second period of five years

Nos. 157947, 157948, 157946, 158330, 157945, 157944

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No. 158353.Class-3.

No. 158436.Class-4.

Extn. of Copyright for the Third period of five years

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 Steel Authority of India Ltd.—157570.
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 Stock Equipment Co.—157089, 157246.
 Stone & Webster Engineering Corp.—157331.
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 Straw Box Systems Ltd.—157062.
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 Subramoniam, J. P.—157208.
 Sudersanan, A.—158180.
 Suh, B.W.—158079.
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 Sumitomo Chemical Co., Ltd.—157051.
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 Sunavala, P. D. (Dr.).—157580.
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 Superba S.A.—157844, 158248.
 Suri, J.—157175.
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 Sylvain, N.—157662.
 Syntex (U.S.A.) Inc.—157856.
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TRP Energy Sensors Inc.—157959.
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 Takeda Chemical Industries Ltd.—158586.
 Talwar, G. P.—157726.
 Temhankar, N. P.—159035.
 Tata Engineering & Locomotive Co., Ltd.—157102, 157979.
 Tata Hydro-Electric Power Supply Co., Ltd., The.—158032.
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 Tata Research Development and Design Centre.—157038, 158634.
 Technicon Instruments Corp.—158347.
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 Telefonaktiebolaget L. M. Ericsson.—157917.
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 Tetra Pak International AB.—157708.
 Tewari, V. K.—157324, 157615.
 Texa S. A.—157151.
 Textiletechniek Haaksbergen B. V.—157092.
 Thadani, M. B.—157138.
 Thermax Pvt. Ltd.—157586, 158181, 158183.

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Thermo King Corp.—157305, 157315.
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 Thorn Emi Energy Developments Ltd.—58279.
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 Titen Manufacturing Co., Pty. Ltd., The.—157441.
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 Trepaud, G.—157505.
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 Tsentrainy Neuchno-Issledovatel'sky institut kozhevkennoobuvnoi Promyshlennosti.—157664.
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 UNC Nuclear Industries Inc.—158562.
 UOP Inc.—157714, 157785, 157969, 158247, 158307, 158308, 158368, 158435, 158470.
 USS Engineers & Consultants Inc.—157111, 157841, 158132.
 Ubiiko, A. M.—157147.
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V M E I "LENIN".—157908.	
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Valk, I. M.—158217.	
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VEB Launa-Warke "Walter Ulbricht".—158078.	
VEB Schwermaschinenbau-Kombinat "Ernst Thälmann" Magdeburg.—157895.	
Veen, A. V. D.—157717.	
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Venkatadri, A. S. (Dr.)—157570.	
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Vsesojuzny Nauchno-Issledovatel'sky Institut Sinteticheskikh Smol.—157366.	
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Vsesojuzny Nauchno-Issledovatel'sky I Proektny Institut Titana.—158002.	
Vsesojuzny Nauchno-Issledovatel'sky Proektno-Konstruktor'sky I Tekhnologicheskyy Institut Vzyvozaschishennogo I Rudnichnogo Elektrooborudovaniya.—157381, 158350.	
Vyas, B. S.—157036.	
Vyzkumny Ustav Bavlnarsky.—157733.	
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Walther & Cie A. G.—157047.	
Watanabe, K.—158105.	
Wavin, B. V.—157329.	
Weldy, P.—157337.	
Werner-Lambert Co.—158577.	
Western India Plywoods Ltd., The.—157187, 157188, 157189.	

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Westinghouse Brake and Signal Co., Ltd.—157248.	
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CLASS : 152-E

164081

Int. Cl. : C 08 F 29/00

PROCESS FOR THE PREPARATION OF CROSS-LINKED POLYMERIC COMPOSITIONS OF ETHYLENE AND α -OLEFINE THEIR PREPARATION.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S.A., OF TROUR AURORE-PLACE DES REFLETS, F-92080 PARIS LA DEFENSE-CEDEX NO. 5, FRANCE.

Inventors : 1. ARMAND HAAS, 2. LIONEL GUERDOUX.

Application No. 703/Cal/83 filed June 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for the preparation of crosslinked polymeric compositions with improved properties, having a gel ratio between 95 and 99%, characterised by the action of a peroxide compound for example selected from benzoyl peroxide, dicumyl peroxide, 1, 2-bis-(tert-butylperoxyisopropyl)-benzene, di-tert-butylperoxide, di-tert-amyl peroxide, lauroyl peroxide and mixtures thereof, at a temperature of between 180°C and 250°C and for a period of between 5 and 20 minutes, on copolymers of ethylene and of at least one α -olefine containing at least 4 carbon atoms, the said copolymers having a density of between 0.905 and 0.940 g/cm³, a melt index of between 0.2 and 20 dg/minute and an average proportion of α -olefine units of between 1 and 8 mol%, comprising crystalline fractions and amorphous fractions and having a heterogeneous distribution of the α -olefine units, and having proportion of α -olefine units varying between 0.2 and 5 times their average proportion, depending on the fractions in question, the peroxide compound being in an amount of 0.5 to 2.5 parts by weight for 100 parts by weight of the copolymers.

Compl. Specn. 12 pages.

Drg. Nil.

Int. Cl. : F 02 b 17/00

164082

DYNAMIC VARIABLE COMPRESSION RATIO I.C. ENGINE.

Applicant : SONEX RESEARCH INC., OF MARYLAND, 23 HUDSON STREET, ANNAPOLIS, MARYLAND 21401, U.S.A.

Inventor : 1. ANDREW ALEXANDER POURING.

Application No. 681/Cal/84 filed September 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A variable compression ratio internal combustion engine including a movable piston (14) in a variable volume working chamber (16) in which intake, compression, fuel combustion, expansion and exhaust events occur as the result of piston movement within the chamber, the piston having a working face (18) defining a movable wall of the working chamber; an air chamber (38) in the piston adjacent its working face; said air chamber (38) communicating with the working chamber (16) through gap (g) having a preselected cross section area; characterized in that the gap cross sectional area is configured so that flow of gas into the air chamber from the working chamber is choked to prevent pressure equalization between the air chamber (38) and working chamber (16) during at least part of the compression event during operation of the engine above approximately 65% of the maximum operating speed of the engine.

Compl. Specn. 31 pages.

Drg. 4 sheets.

CLASS : 116-G

164083

Int. Cl. : B 65 g 61/00

APPARATUS FOR THE STOWING AND RECLAIMING OF BULK MATERIAL, WITH A COMBINED STOWING AND RECLAIMING MACHINE.

Applicant : GUSTAV SCHADE MASCHINENFABRIK GMBH & CO., OF AM ROSENPLATZCHEN 120, D-4600 DORTMUND 1, WEST GERMANY.

Inventors : 1. GUNTER STROCKER, 2. GERHARD FISCHER.

Application No. 398/Cal/85 filed May 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Apparatus for the stowing and reclaiming of bulk material, with a stowing and reclaiming machine adapted to travel along the stockpile and provided with a scraper jib which is pivotable in the vertical plane and whose scraper chain conveyor is reversible for selectively stowing and reclaiming the bulk material as desired, and with at least one storage site conveyor for feeding-in and taking away the bulk material in conjunction with a travelling tripper whose throw-off drum is situated above a depositing apparatus which throws the bulk material through the scraper jib on to the stockpile, characterised by the following features :

between the scraper jib (7) and the storage site conveyor (13) there is arranged on the stowing and reclaiming machine (3, 26, 28) an endless intermediate conveyor (19) driven independently of the scraper chain conveyor of the scraper jib (7), especially a steep-angle conveyor such as more particularly a scraper conveyor with a scraper chain with its underpart travelling upwardly in an inclined trough (23); the material receiving end (21) of the intermediate conveyor (19) being situated at a level below the neighbouring end of guide wheel (10) of the scraper jib (7) while its upper or delivery end is at a level above the said site conveyor (13).

Compl. Specn. 15 pages.

Drg. 3 sheets.

CLASS : 107-G

164084

Int. Cl. : F 02 d 15/00

AN ENGINE RETARDING SYSTEM OF A GAS COMPRESSION RELEASE TYPE.

Applicant : THE JACOBS MANUFACTURING COMPANY, AT 22 EAST DUDLEYTOWN ROAD, BLOOMFIELD, U.S.A.

Inventor : 1. KENNETH HAROLD SICKLER.

Application No. 411/Cal/85 filed May 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An engine retarding system of a gas compression release type comprising a multi-cylinder four cycle internal combustion engine having a crankshaft and a camshaft driven in synchronism with said crankshaft, engine piston operatively connected with said crankshaft, exhaust valve means and intake valve means for each cylinder of the engine, first and second push tubes driven from said camshaft, hydraulic fluid supply means, and a hydraulically actuated first piston operatively associated with said exhaust valve means to open said exhaust valve means, characterised by a second piston actuated by said first push tube and hydraulically interconnected with said first piston and said hydraulic fluid supply to open said exhaust valve means during an upstroke of the engine piston associated with said exhaust valve

the first and second projection optics systems in any sequence.

164085

164085

FIG. 1 is a schematic diagram of a circular apparatus, likely a microscope or camera, showing various components labeled with numbers 14 through 42. The diagram includes a central circular field, a surrounding frame, and various internal structures and components.

Drg. 3 sheets.

164086

Int. Cl. : H 01 h 1/36

PLUG-IN DEVICE WITH ELECTRICAL COMPONENTS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF
BERLIN AND MUNICH WEST GERMANY.

Inventor : 1. FRITZ KIENAST.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A plug-in device with electrical components for use with a contact strip with a plurality of contacts including at least one flat plug contact and a first matrix arrangement of pin contacts, said plug-in device having a housing for containing at least one electrical protection device, characterized by :

a housing surface which faces the contact strip with at least one slotted hole for receiving each said flat plug and a second matrix arrangement of pin-contact holes for receiving said pin contacts;

at least one locking flat plug contact receptacle mounted within the at least one slotted hole;

a plurality of pin contact receptacles mounted within said second matrix arrangement of holes;

each electrical protection device electrically connected, at least at one end, to one of said plurality of pin contact receptacles; and

an arrangement of said at least one flat plug receptacle and said second matrix arrangement of pin-contact receptacles, cooperating with a portion of an arrangement of said flat plug contact and said first matrix arrangement of pin contacts on said contact strip, to form a plug-in connection.

Dwg. 1 sheet

CLASS : 187-E4

164087

Int. Cl. : H 04 m 1/02

A TELEPHONE DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

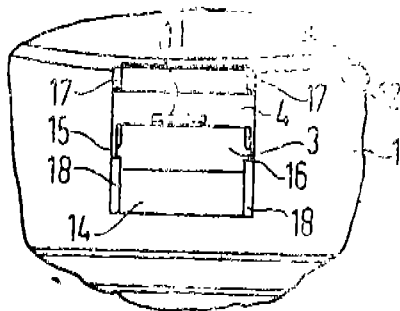
Inventors : 1. FRANZ BLOCH. 2. JURGEN REUSCHEL.

Application No. 267/Cal/86 filed April 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A telephone device for table-top and wall-mounted use and comprising at least one handset cradle which is arranged on the outer surface of a stationary housing of the device, a filler body being removably secured in recess in the housing by means of a catch arrangement in alternative positions in the region of this cradle such that when the telephone device is to be used as a table-top device, the filler body is flush with the cradle, whereas, when the telephone device is to be used as a wall-mounted device a portion of the filler body projects beyond the contour of edge zone the cradle so as to engage a corresponding opening in the handset, the recess in the housing is arranged at the lowest point of said edge zone of the cradle.



Compl. Specn. 10 pages.

Drg. 1 sheet.

Int. Cl. : H 041 5/00

164088

ON-LINE SERIAL COMMUNICATION INTERFACE FROM A COMPUTER TO A CURRENT LOOP.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U.S.A.

Inventors : 1. EDWARD LEE STERLINK JR. 2. WILLIAM LEE THOMPSON.

Application No. 342/Cal/86 filed May 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

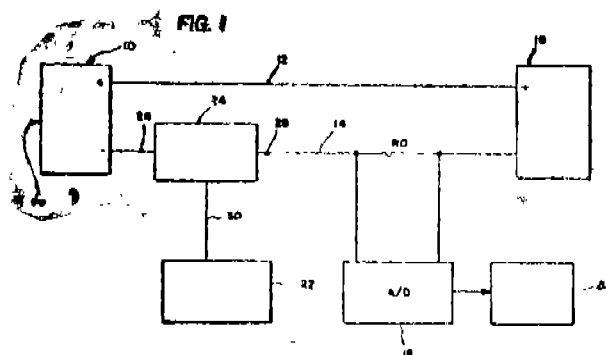
7 Claims.

An on-line serial communication interface for a digital circuit for generating voltage pulses, to a current loop having lines for connecting a transmitter to a power supply to drain current from the power supply according to a process variable sensed by the transmitter, comprising :

a diode connected in series in one of the lines of the current loop for establishing a voltage drop on the diode;

an FET having a source and drain connected in parallel with the diode, said FET having a gate for receiving a voltage to render said FET conductive between its source and drain to short out said diode from applying its voltage drop to the one line; and

a differential amplifier having an output connected to said FET gate, and two inputs, one of said inputs of said amplifier connected to the digital circuit for receiving the generated voltage pulses and the other input of said amplifier being connected to a selected voltage whereby said amplifier output receives voltage pulses synchronized with the generated voltage pulses from said digital circuit to render said FET conductive and non-conductive in synchronism with the voltage pulses.



Compl. Specn. 9 pages.

Drg. 1 sheet

CLASS : 102-B

164089

Int. Cl. : F 16 d 31/00.

HYDRAULIC COUPLING.

Applicant : VOITH TURBOGMBH & CO. KG, OF VOITH-STRASSE 1, D-7180 CRAILSHEIM, F. R. OF GERMANY.

Inventor : 1. HOLLER HEINZ.

Application No. 403/Cal/86 filed May 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Hydraulic coupling comprising :

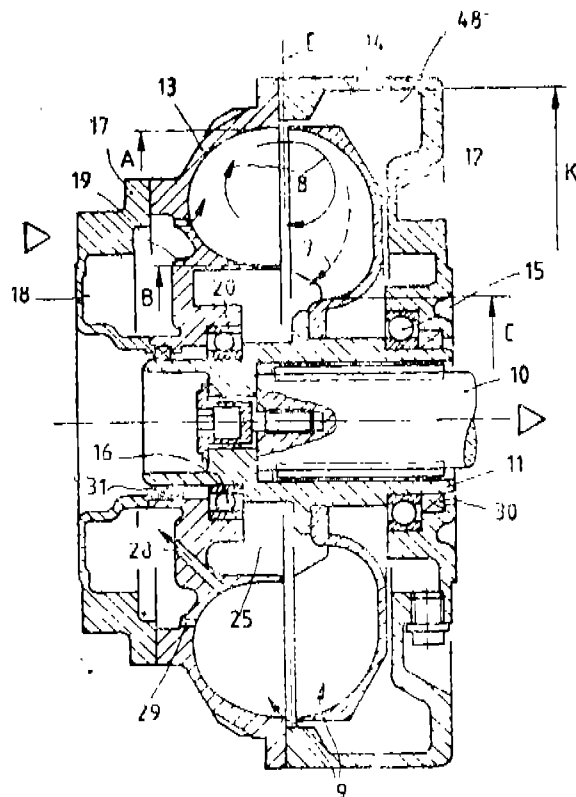
a bladed primary wheel (13) and a bladed secondary wheel (12) confining a torus-shaped operating space (9) which can be filled with an operating fluid;

a coupling shell (14) rotating common with said bladed primary wheel (13) and enveloping exterior of the secondary bladed wheel (12);

rotating with said blade primary wheel (13) are a first delay chamber (18) and a rotating second delay chamber (48), both communicating with the operating space (9); and

a minimum of one overflow channel (29) connecting the first delay chamber (18) with the operating space (9);

characterized by the fact that at least a substantial part of the second delay chamber (48) is located at a greater distance from the coupling axis than the radial outer limitation (A) of the operating space (9).



Compl. Specn. 14 pages.

Drg. 3 sheets.

Class. 126-D.

164090

Int. Cl. G01k 7/00, 7/02.

A THERMOELEMENT FOR MEASURING TEMPERATURES IN VACUUM FURNACES.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. WILLI FREPPON, 2. PAUL HEILMANN, 3. THEO VAN HEIJST.

Application No. 536/Cal/86 filed July 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A thermoelement of a thermocouple and a protective tube for measuring temperatures in vacuum furnaces in the range of from 300 to 1300°C, characterized in that the protective tube consists of quartz glass and an earthed metal wire which is wound helically around the protective tube.

Compl. Specn. 4 Pages.

Drg. 1 sheet

Class. 69-P.

164091.

Int. Cl. H02b 13/02.

METAL ENCLOSED SWITCHGEAR.

Applicant : KABUSHIKI KAISHA MEIDENSHA, OF 1-17, OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventor : 1. SUFICHI KIDA.

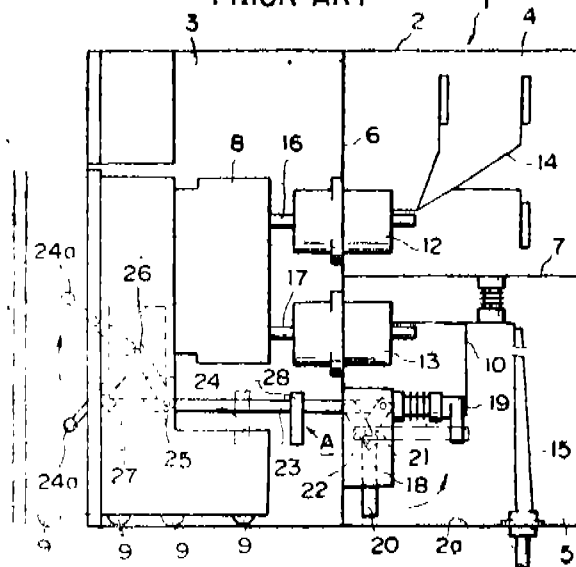
Application No. 399/Cal/84 filed June 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A metal enclosed switchgear including a floored cabinet which has a vertical partition defining a circuit breaker chamber, a pair of disconnectors fixed to the vertical partition, an earthing switch, an earthing switch operating rod, a circuit breaker which includes a pair of connecting rods each electrically connected to or disconnected from each of the disconnectors, and a plurality of rollers capable of rolling along the floor of the cabinet so as to be movable into or out of the circuit breaker chamber, a mechanical interlock between the circuit breaker and the earthing switch which can prevent the circuit breaker from attaining its electrically connected position when the earthing switch is closed, characterized in that the interlock comprises a pair of stationary roller stoppers, each of which is fixed to the floor with a certain distance from other outside the path of at least one of the rollers, a movable roller stopper, the width of which is substantially equal to the distance between the stationary roller stoppers and which is disposed between the stationary roller stoppers, the movable roller stopper being so actuated as to extend into and draw back out of the path, and a link mechanism interlocked with the earthing for operating the movable roller stopper.

PRIOR ART



Compl. Specn. 17 pages.

Drg. 4 sheets.

Int. Cl. F02b 17/00.

164092.

I. C. ENGINE USING A RESONATING AIR CHAMBER IN A RECIPROCATING PISTON TO INDUCE CLOSED ORGAN PIPE RESONANCE IN THE COMBUSTION CHAMBERS.

Applicant : SONEX RESEARCH INC., OF MARYLAND 23 HUDSON STREET, ANNAPOLIS, MARYLAND 21401, U.S.A.

Inventor : 1. ANDREW ALEXANDER POURING.

Application No. 682/Cal/84 filed September 25, 1984.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A piston type internal combustion engine characterized by a piston having a Helmholtz resonator air chamber near its working face tuned to the frequency of combustion shock waves in the cylinder working chamber in which the piston is located, the resonator chamber communicating with the working chamber through a restricted orifice and wherein all linear dimensions of the orifice and resonator chamber are less than $1/4$ wave-length of said shock wave frequency; the piston working chamber and resonator chamber all being arranged so that closed organ pipe resonance of the gas in the gas working chamber is induced in the working chamber by the resonating waves in the resonator chamber after each combustion event, at least when the piston is at or near its bottom dead center position, and so that substantially only air is in the resonating chamber at the moment of initiation of combustion.

Compl. Specn. 32 pages.

Drg. 4 sheets,

Class. 39 & 139.

164093.

Int. Cl. C01b 17/00.

PROCESS FOR MANUFACTURING SULPHUR INSOLUBLE IN CARBON DISULPHIDE.

Applicants: 1. INSTYTUTCHEMII PRZEMYSLOWEJ, OF RYDYGIERA STR., 8, WARSZAWA, POLAND;

(2) INSTYTUT PRZEMYSŁU ORGANICZNEGO, OF ANNOPI. STR. 6, WARSZAWA, POLAND.

Inventors: 1. ZBIGNIEW LESZCZYŃSKI, 2. JERZY SLELUZYCKI, 3. RYSZARD ANDRUSKI, 4. JAN KUBICA, 5. WIESŁAW CIESIEWSKI, 6. BOGDAN NISENHOLC, 7. ANDRZEJ PROKOP.

Application No. 617/Cal/85 filed August 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for manufacturing sulphur insoluble in carbon disulphide, comprising evaporating liquid sulphur and further heating in the presence of carbon disulphide under pressure higher than the atmospheric pressure to a temperature higher than 720 K and then the formed overheated vapours of sulphur and carbon disulphide being cooled rapidly by direct contact with a stream of liquid carbon disulphide to a temperature lower than the freezing point of sulphur and lower than the boiling point of carbon disulphide to obtain a solid suspension in a liquid, separating the solid phase in a conventional manner and adding thereto stabilizing substances.

Compl. Specn. 6 pages.

Drg. Nil.

Class. 206-E.

164094.

Int. Cl. G02b 6/26.

AN OPTICAL FIBER COUPLER-DISTRIBUTER ? AND METHOD OF MANUFACTURE.

Applicant: ALLIANCE TECHNIQUE INDUSTRIELLE, OF 6, RUE JEAN MERMOZ, COURCOURONNES, F-91000 EVERY, FRANCE.

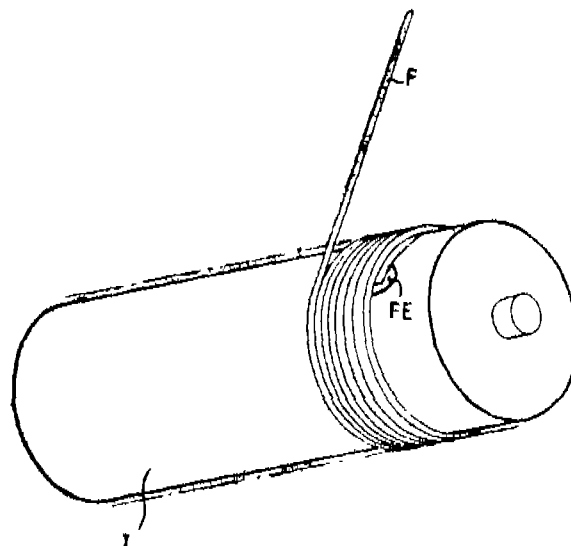
Inventor: 1. FRANCOIS-LOUIS MALAVIEILLE.

Application No. 41/Cal/85 filed January 22, 1985.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An optical fiber coupler-distributor of the type comprising firstly a first pair of optical fibres each having a polished and chambered side at one end, said ends being positioned adjacent to each other in such a manner as to define a common end face of substantially the same cross section as that of a single fiber; and secondly another fiber, or another pair of fibers similarly disposed to define a second common end face, disposed in end-to-end optical co-operation with the said first pair by means suitable for fixing the fibres in said disposition, the coupler-distributor further including the improvement whereby the means for fixing the fibres in said disposition comprise a transparent rigid plate together with retaining means for keeping the fibres pressed against the transparent rigid plate.



Compl. Specn. 17 pages.

Drg. 6 sheets.

Class. 129-Q.

164095

Int. Cl. B23k 35/00.

ELECTRODE WIRE.

Applicant: KIEVSKY POLITEKHNIЧЕСКИЙ ИНСТИТУТ ИМЕНИ 30-ЛЕТИЯ ВЕЛИКОЙ ОКТАБРСКОЙ СОЦИАЛИСТИЧЕСКОЙ РЕВОЛЮЦИИ, OF KIEV, BREST-LITOVSKY PROSPEKT, 39 USSR.

Inventors: 1. BORIS NIKOLAEVICH GORPENJUK, 2. JURY NIKOLAEVICH NADEMSKY, 3. MIKHAIL NIKOLAEVICH GAPCHENKO, 4. ALEXANDR LVOVICH GRINSHUN, 5. EVGENY PETROVICH KUZNETSOV, 6. BORIS NIKOLAEVICH KUSHNIRENKO, 7. DMITRY GRIGORIEVICH PROSYANNIKOV, 8. ALEXANDR ALEXANDROVICH MIKHAILOV.

Application No. 69/Cal/85 filed February 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

An electrode wire for use in the surfacing of cutting tools comprising a low-carbon steel sheath and a core of granular material containing graphite, marble, fluorspar, chrome, molybdenum, vanadium, silicon, manganese and titanium, the core material additionally containing perovskite concentrate, with chromium, molybdenum, vanadium, silicon, manganese and titanium being present in the form of ferroalloys in the following amounts:

Percentage by weight of the total core

Graphite	From 0.8 to 1.4
Marble	from 0.5 to 2.3
Fluorspar	from 0.5 to 5.0
Ferrochrome	from 4.5 to 6.5
Ferromolybdenum	from 9.0 to 13.0
Ferrovandium	from 3.0 to 5.0
Ferrosilicium	from 1.5 to 2.5
Ferromanganese	from 0.25 to 0.85
Ferrotitanium	from 1.5 to 3.0
Titanium dioxide and calcium containing material.	from 0.2 to 1.5
Low-carbon steel of the sheath.	the balance.

Compl Specn. 11 pages.

Drg. Nil

Class. 174-E.

164096.

Int. Cl. F16f 9/30.

A CYCLIC SHEAR ENERGY ABSORBER.

Applicant. DEVELOPMENT FINANCE CORPORATION OF NEW ZEALAND, OF DEVELOPMENT FINANCE CENTRE, CORNER GREY AND FEATHERSTON STREETS, WELLINGTON, NEW ZEALAND.

Inventors : 1. JAN GEORGE BUCKLE, 2. MICHAEL JOHN PENDER.

Application No. 363/Cal/85 filed May 10, 1985. ,

Convention dated 11th May, 1984 (208129) New Zealand.

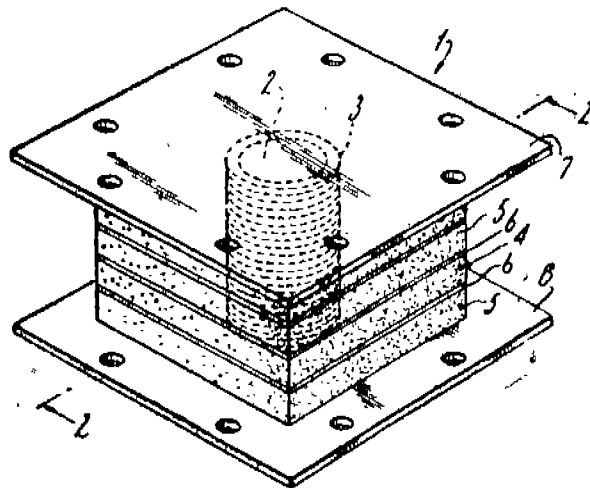
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

A cyclic shear energy absorber, comprising :

- a resiliently deformable body adapted to bear a load acting in a first predetermined direction, said resiliently deformable body having a confining means for confining granular material;
- a hollow core in said confining means;
- said confining means being disposed in said resiliently deformable body surrounding said hollow core; said confining means being adapted to support a load acting in the first predetermined direction; said confining means having an inner peripheral wall said inner peripheral wall being a sidewall of said hollow core; said side wall surrounding said hollow core;
- a top member and a bottom member which together with said inner peripheral wall completely enclosed said hollow core;
- said resiliently deformable body being adapted to deform resiliently under action of a shear force which has component which acts in a second predetermined direction which is generally perpendicular to the first predetermined direction of the load; said confining means being deformed along with said resiliently deformable body in said second predetermined direction;
- said confining means enclosing a substantially constant volume during deformation of said confining means;
- a granular material substantially completely filling said hollow core;
- said granular material flowing during deformation of said resiliently deformable body while occupying said substantially constant volume, such that frictional forces arise between particles forming said granular material due to the relative movement of said particles;

whereby energy is dissipated by said granular material during deformation of said resiliently deformable body; and whereby said energy dissipation is not rate dependant.



Compl. Specn. 19 pages.

Drg. 5 sheets.

Class. 104-H

164097

Int. Cl. B26d 1/00.

AN IMPROVED APPARATUS FOR CUTTING OFF SHEETS OF MATERIALS FORMED FROM FIBRO CEMENT SLURRIES ON A CONTINUOUSLY ROTATING ACCUMULATOR ROLL.

Applicant : VANAGALA PATTABHI OF 9/1 R. N. MUKHERJEE ROAD, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventor : 1. KOPPANATI BHASKER RAO.

Application No. 526/Cal/85 filed July 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An apparatus for cutting off sheet of materials formed from fibre cement slurries on a continuously rotating accumulator roll having a longitudinal slit and a cutting mechanism housed within the roll adapted to pneumatically urge a tension cutting knife to cut the sheet through said longitudinal slit characterised in that a novel cutting mechanism housed within the roll said novel cutting mechanism comprising a pair of double acting, double ended pneumatic cylinder provide on each and of either side of the accumulator roll, a pivoted lever carrying a knife, linkage connecting the piston of the pneumatic cylinder and the free end of the lever remote from its pivot, the said linkage being expendable and collapsible in opposite directions for projecting the knife through the slit of the accumulator roll and withdrawing the knife into the accumulator roll, thereby cutting the sheet formed on the accumulator roll.

Compl. Specn. 10 pages.

Drg. 2 sheets.

Int. Cl. H05k 7/10.

164098

HAND-HELD COMMUNICATION DEVICES AND TWO WAY COMMUNICATION SYSTEMS COMPRISING SAID DEVICE.

Applicant & Inventor : HENRY C. PENNER, OF 2025 KENILWORTH AVENUE, LOUISVILLE, KENTUCKY 40205, U.S.A.

Application No. 857/Cal/85 filed December 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A hand-held communication device comprising :

a handle-like body having a suitably-contoured portion around which the proximal, middle and distal segments of the fingers of a person's hand can curve;

a plurality of switch actuators carried by said body for selective manual activation singly or in predetermined combinations; and

at least one pair of said switch actuators being positioned on said body for respective selective activation by

the front side of the distal and proximal segments of a single finger.

Compl. Specn. 17 pages.

Drg. 1 sheet.

Int. Cl. E21c 5/00.

164099.

MINE PLOUGH INSTALLATION WITH KNIFE PLOUGH.

Applicant : GEWERKSCHAFT EISENHUTTE WESTFALLA GMBH, OF D-4670 LUNAN FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. CHRISTOPH RASSMANN, 2. GERHARD NICKEL, 3. BERND STEINKUHL, 4. GERHARD MERTEN, 5. EGON PFEFFERLE.

Application No. 635/Cal/86 filed August 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

Mine plough installation comprising a knife plough, of which the bottom cutter, penetrating beneath the conveyor, is connected with the pulling side of a plough chain, which is guided in a plough chain guide having chain channels one above another and formed of hood components and mounted on the conveyor on the goaf side, wherein the plough with its bottom cutter runs on a skid rail forming a skid track and penetrating beneath the conveyor, to which (rail) the conveyor with the hood components on the goaf side is connected in a manner permitting lifting, characterized in that the hood components (14, 49) and the skid rail (16) are connected together in a manner permitting lifting or tilting in the plane perpendicular to the stratification and slidably longitudinally of the conveyor (2) by upwardly disengageable tongue-and-groove connections (28) possessing a movement clearance.

Compl. Specn. 22 pages.

Drg. 6 sheets.

Int. Cl. D06n 3/00.

164100.

A PROCESS FOR PRODUCING A THERMOPLASTIC LEATHER MATERIAL.

Applicants & Inventors : ADOLF WYLER, OF OLDE-NALLER 17, 1081 HJ AMSTERDAM, THE NETHERLANDS AND HERBERT J. WAGNER OF 25 RED-BROOK, GREAT NECK, N.Y. 11024, U.S.A.

Application No. 660/Cal/86 filed September 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for producing a thermoplastic leather material, which comprises subjecting particulate leather (as herein defined), optionally admixed with one or more additives and, or fillers, to the action of a pressure from 200 to 900 bar, at a temperature from 50° to 250°C in a closed die for a time of at least 30 seconds.

Compl. Specn. 11 pages.

Drg. Nil.

Class 32B.

164101.

Int. Class. C07c 5/18.

PROCESS FOR THE PRODUCTION OF OLEFENIC HYDROCARBONS.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : BIPIN VIRPAL VORA.

Application for Patent No. 007/Del/85 filed on 5th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

A process for the production of olefinic hydrocarbons which comprises the steps of :

- passing a feed stream comprising hydrogen and at least one C_4 -plus paraffinic feed hydrocarbon through a dehydrogenation reaction zone maintained at known dehydrogenation conditions and thereby producing a vapor phase dehydrogenation reactor effluent stream which comprises hydrogen, by-product light hydrocarbons having fewer carbon atoms per molecule than the feed hydrocarbon, C_4 -plus paraffinic feed hydrocarbons, and C_4 -plus mono- and diolefinic hydrocarbons;
- cooling and partially condensing the dehydrogenation reactor effluent stream and separating the dehydrogenation reactor effluent stream in a vapor-liquid separation zone into a vapor phase process stream which comprises hydrogen and a liquid phase process stream which comprises dissolved hydrogen, light hydrocarbons, C_4 -plus paraffinic hydrocarbons, and C_4 -plus mono- and diolefinic hydrocarbons;
- passing a hydrogen feed stream and the liquid phase process stream through a selective hydrogenation reaction zone which contains a selective hydrogenation catalyst and is maintained at diolefin selective hydrogenation conditions and forming a selective hydrogenation reaction zone effluent stream which comprises C_4 -plus mono-olefinic hydrocarbons and is substantially free of C_4 -plus diolefinic hydrocarbons; and
- passing the selective hydrogenation reaction zone effluent stream into a stripping column operated at conditions which result in the concentration of substantially all hydrogen and light hydrocarbons present in the hydrogenation zone effluent stream into a stripping column overhead stream, and also producing a stripping column bottoms stream which comprises C_4 -plus paraffinic hydrocarbons and C_4 -plus mono-olefinic hydrocarbons and which is removed from the process as a product stream.

Compl. Specification 43 pages

Drg. 3 sheets

CLASS : 164102

Int. Cl.⁴ : E03D 1/00 & 1/01.**LAVATORY CISTERN PROVIDING RAPID DISCHARGE OF PREDETERMINED AMOUNTS OF WATER.**

Applicant : ARCU ARMATURINDUSTRI AB, A JOINT STOCK COMPANY, ORGANISED UNDER THE LAWS OF SWEDEN, AND BEING ENGAGED IN BUSINESS AT S-360 75 ALSTERMO, SWEDEN AND IFO SANITAR AB, A JOINT STOCK COMPANY, ORGANISED UNDER THE LAWS OF SWEDEN, AND BEING ENGAGED IN BUSINESS AT S-295 00 BROMOLLA, SWEDEN.

Inventor : GOSTA HAMMARSTEDT.

Application for Patent No. 447 Del 1985 filed on 05 June, 1985.

Convention date April 4, 1985/85089/73 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A lavatory cistern providing rapid discharge of predetermined amounts of water which comprises a receptacle defining therein a major upper storage tank and an inter connected minor lower flush tank, said tanks being separated from each other by means of a partition disposed within said receptacle, said partition being provided with means permitting communication, of the contents of the storage tank with the flush tank, an exit pipe connected to said flush tank through which said predetermined amounts of water are rapidly discharged, said flush tank being equipped with externally operable valve means for effecting said rapid discharge, said valve means comprising a vertically movable valve head which, in non-operational position when said flush tank is full, sealingly engages the opening of said exit pipe to prevent discharge therethrough and a disc member connected to and movable vertically with said valve head whereby when said valve means is operated to raise said valve head off said exit pipe opening, said disc member is urged into sealing engagement with said communicating means provided in said partition to prevent flow of water from said storage tank into said flush tank.

Compl. Specn. 22 pages.

Drgs. 10 sheets.

CLASS : 164103

Int. Cl.⁴ : G09F 11/00, 13/00.**AN INFORMATION DISPLAY SYSTEM.**

Applicants & Inventors : DANIEL GIRAUD, OF 6 RUE COSTE, 78000 VERSAILLES, FRANCE; JEAN CHARRON, OF 2 RUE LOUISE-MICHEL, 78360 MANTESSON, FRANCE AND REGIS DUFRENNE, OF 9 RUE ANTOINE ST EXUPERY, 78360 MONTESON, FRANCE, ALL FRENCH CITIZENS.

Application No. 495/Del/85 filed on June 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An information display system of the kind comprising a plurality of panels with display elements arranged at a place of sporting events, such as football, basket-ball; a plurality of television cameras for televising to at least a television receiver set of said sporting event, at least one of the display panels appearing at said television receiver set, characterised in that it includes an "on-the-air" light visual indicator of the camera, connected to each said cameras (C1, C2) a sensing element (CP) responsive to the light radiation from said indicator and a starting device (CR1, CR2, CA2,.....) activated by said sensing element for starting the display of a message every time at least one of the display panels is located in the shooting field of the camera in operation; a plurality of display monitoring and control devices (20) respectively connected to said display panels for displaying at least a part of a message at each of the display panels, a computer device (100) receiving information from the outputs of a plurality of starting devices and emitting logic signals towards each of the display monitoring and control devices (2) for causing the displacement of the message on the display panel elements according to the movements of the camera in such a manner as to cause said message to continually appear at said television final.

Compl. Specn. 23 pages.

Drgs. 2 sheets.

CLASS :

164104

Int. Cl.⁴ : C08H 5/00.**PROCESS FOR SEPARATELY RECOVERING CYCLIC AND OPEN CHAIN OLIGOMERS FROM OLIGOMER CONCENTRATES.**

Applicant : THE DIRECTOR, SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LIMITED, JAYKAYNAGAR, KOTA-324 003 (RAJASTHAN), INDIA, AN INDIAN BODY.

Inventors : NRESH DUTTA SHARMA & PURSHOTAM SHARMA.

Application for Patent No. 539/Del/85 filed on 9th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A process for separately recovering cyclic oligomers and open chain oligomers from an oligomer concentrate containing same comprising the steps of :

- (i) treating as herein described said oligomer concentrate in an organic solvent as herein described to dissolve the open chain oligomers;
- (ii) filtering the mixture thereby obtained to get a filtrate/solution of said open chain oligomers in said solvent and a residue containing said cyclic oligomers and inorganic substances as herein described contained in the concentrate;
- (iii) subjecting the filtrate obtained in step (ii) to distillation under reduced pressure to recover said solvent and a residue of said open chain oligomer;
- (iv) washing the residue obtained in step (ii) with boiling water to remove the inorganic substances and give a residue of said cyclic oligomers.

The product prepared by process are used for processing into various products.

Compl. Specn. 17 pages.

Int. CLASS⁴ : C03B 5/225

164105

A METHOD FOR MANUFACTURING SUBSTANTIALLY REFINED MOLTEN GLASS.

Applicant : PPG INDUSTRIES, INC., a corporation organised under the laws of the State of Pennsylvania, of One PPG Place, Pittsburgh 22, State of Pennsylvania, United States of America.

Inventors : KWANG JONG WON, GEORGE ANTHONY PECORARO & HENRY PETER HANNEKEN.

Application for Patent No. 542/Del/85 filed on 11th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

22 Claims

A method for manufacturing substantially refined molten glass by the liquefaction of glass batch and the subjection of the liquefied batch to submerged combustion which comprises :

in a primary melting vessel, liquefying raw glass batch materials by application of heat through a first heat source to a flowable state where said liquefied material runs off a surface on which it is located;

draining said liquefied material from said primary melting vessel into a secondary melting vessel to provide in said secondary vessel a body of said liquefied material in partially unrefined condition;

in said secondary melting vessel, injecting into said body of liquefied material below the surface thereof a stream of combustion gas such as herein described which agitates said liquefied material and transfers additional heat thereto to convert said liquefied material to at least partially refined molten glass; and

if desired, passing said partially refined molten glass from said secondary vessel to a separate chamber where any remaining gaseous inclusions are permitted to escape.

Compl. Specn. 16 pages.

Drg. 1 sheet.

Int. Class⁴ : F16L 55/10

164106

A PIPE CLOSURE DEVICE.

Applicant : KRUPP POLYSIUS AG., of Graf-Galen-Strasse 17, D-4720 Beckum, Federal Republic of Germany, a West-German Company.

Inventors : OTTO HEINEMANN and FRANZ DIETER HAHN, HEINZ-HERBERT SCHMITS.

Application for Patent No. 644/Del/85 filed on 07th August, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

.8 Claims

A pipe closure device having a gate valve housing member adapted for installation in a pipe, a gate valve member movably positioned within said housing member for movements between opened and closed positions; a sealing element interposed between said members and comprising a substantially U-shaped spring strip having a pair of arms and a deformable arcuate web joining corresponding ends of said arms, and means clamping said arms to one of said members in such position that said web engages and is deformed by the other of said members, the improvement wherein said clamping means comprises a retainer interposed between said arms adjacent their other ends; a clamping element outboard of each of said arms; and means securing said clamping elements to said retainer with the arms gripped between said retainer and the respective clamping elements, said arms covering towards one another at an acute angle in a direction away from said web, each of said clamping elements having a surface tangential to said web.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

Int. Class⁴ : B22C 9/20

164107

HORIZONTAL CASTING MOLD APPARATUS.

Applicant : THE GARRETT CORPORATION, a California corporation, of 9851-9951 Sepulveda Blvd., P.O. Box 92248, Los Angeles, California 90009, United States of America.

Inventor : ROBERT ELLIOTT KEATON.

Application for Patent No. 664/Del/85 filed on 14th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A horizontal casting mold apparatus comprising :

a plurality of shell molds in spaced, side-by-side relationship, each mold being formed from complementary halves and defining at least one mold cavity therein;

each said shell mold having extending there through a runner feeder, the runner feeder having a passage means for carrying molten metal and being retained between the halves of said shell mold such that ends of the runner feeder protrude therefrom;

and said runner feeder and said shell mold together providing a riser for the molten metal to collect therein and at least one ingate in the riser for flow connecting said riser to said mold cavity.

Compl. Specn. 11 pages.

Drgs. 2 sheets.

Int. Class⁴ : B23D 79/10, B23Q 3/00

164108

A SECURED TOOL AND TOOL HOLDER.

Applicant & Inventor : GENNADY YAKOVLEVICH POTEMKIN, of Orekhovy proezd, 19, kv. 19, Moscow, U.S.S.R., a U.S.S.R. Citizen.

Application for Patent No. 669/Del/85 filed on 16th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A secured tool and tool holder, one of said tool or said holder having a hole and the other having a stem fitted in the hole, the stem being circular in cross-section and having a groove with side surfaces located in one plane on the curvilinear generatrix thereof, a pin fitted in the groove of the stem and in the hole characterised in that the hole and stem have bearing surfaces limiting mutual axial displacement of the tool and the holder and wherein the distance (L, h) from the stem bearing surface to the groove side surface farthest from said stem bearing surface is a predetermined amount less than the distance (L, H) from the hole bearing surface to the surface of the pin farthest from the bearing surface of the hole, said predetermined amount being such that the side surface of the groove contacts the side surface of the pin to ensure tight contact between the bearing surfaces of the stem and the hole.

Compl. Specn. 13 pages.

Drgs. 3 sheets.

Int. Class⁴ : C08F 8/20

164109

CONTINUOUS PROCESS FOR THE MANUFACTURE OF HALOGENATED POLYMERS.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A corporation organised and existing under the laws of the State of Delaware, U.S.A., of P.O. Box 390, Florham Park, New Jersey 07932, United States of America.

Inventors : IRWIN JEROME GARDENER, NEIL FREDERICK NEWMAN and RONALD CHARLES KOWALSKI and WILLIAM MYERS DAVIS.

Application for Patent No. 804/Del/85 filed on 1st October, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

21 Claims

A continuous process for the manufacture of halogenated polymers comprising the step of reacting a polymer with a halogenating agent of the kind as herein described, wherein said polymer is butyl rubber characterised in that said halogenation is carried out in the presence of an acid scavenger as herein described.

Compl. Specn 27 pages.

Int. Class⁴ : F16K 25/00, 31/00

164110

BALL VALVE.

Applicant : SOCIETE EUROPEENNE DE PROPULSION, a French company, of 3, avenue du General de Gaulle, 92800 PUTEAUX, FRANCE.

Inventors : PATRICK GARCEAN, PATRICK LHUILIERY and PAUL DUMONT.

Application for Patent No. 1120/Del/85 filed on 31st December, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A ball valve comprising a valve body defining an upstream flow tube and a downstream flow tube, a spherical ball with a calibrated opening located between said upstream flow tube and said downstream flow tube, means for rotatively driving the ball in order to turn it from a closed position to an open position and vice versa and sealing means located in said valve body and containing the ball to ensure fluid-tightness between the said ball and said downstream flow tube of the valve when the ball is in closed position, means for retracting said sealing means, selectively coupled to the ball rotational drive means and comprising at least one elastic energy-storing means located between said valve body and said seal retracting means to completely break the contact, when the valve is open, between the ball and the sealing means on the one hand, and between the rotational drive means and the said seal retracting means on the other hand.

Compl. Specn. 9 pages.

Drg. 1 sheet.

Int. Cl. : H 02 k 39/00

164111

TANDEM COMMUTATORLESS DC MACHINE.

Applicant & Inventor : BATNI, PRAHLADA R. 700 BUTTERNUT STREET NORTHWEST, WASHINGTON D.C. 20012, U. S. A.

Application No. 238/Cal/85 filed March 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A tandem commutatorless DC machine having an outer housing and a shaft for rotation therein, comprising :

- (a) a plurality of axially spaced annular stator disks of magnetic material mounted within said housing;
- (b) at least one axially spaced annular rotor disk of magnetic material arranged concentrically along said shaft for rotation therewith;
- (c) each of said at least one rotor disk positioned adjacent to at least one stator disk and interleaved therewith to establish axial air gaps between the adjacent surfaces of said interleaved disks;
- (d) a plurality of radially disposed electrical conductor affixed to each of said at least one rotor disk so as to be rotatable in said air gaps, and serially interconnected via a serpentine path into a unitary armature winding element having two ends;
- (e) each of said ends connected to one of a pair of slip rings mounted on said shaft; and
- (f) whereby two of the group consisting of said unitary/armature winding element, and said axially air gaps, and said rotatable shaft, may be so energized as to produce electro-mechanical transducer action.

Compl. specn. 35 pages

Drg. 7 sheets

CLASS : 119-B, C & K

164112

Int. Cl. : D 03 d 49/04.

HEDDLE DEVICE FOR A WEAVING MACHINE.

Applicant : SUIZER-BROTHERS LIMITED, OF CH-8401 WINTERTHUR SWITZERLAND.

Inventors : 1. SENN GEORGE, 2. OBERHOLZER HERBERT.

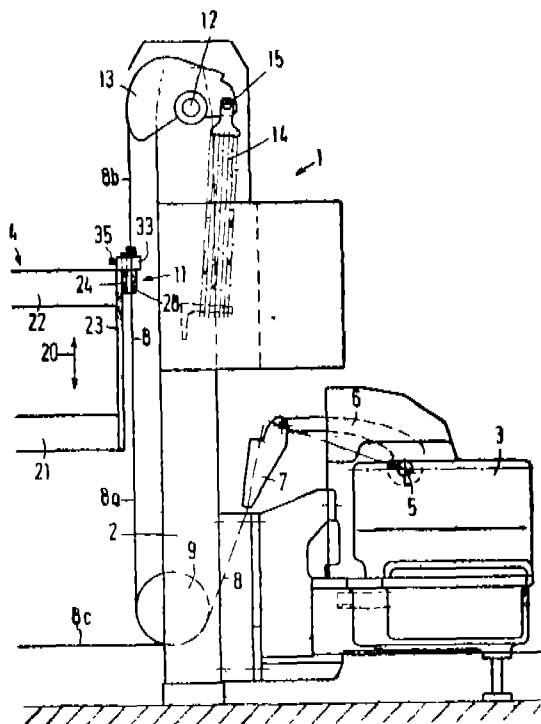
Application No. 268/Cal/85 filed April 9, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Heddle drive for a weaving machine (1), with a mechanism (6, 8) causing reciprocating motion of the heddles (4) containing the longitudinal (21, 22) and transverse beam (23) of the heddles (4), such that the

drive motion and drive force is introduced into the transverse beam (23) of the heddle (4).



Compl. specn. 8 pages.

Drg. 3 sheets

CLASS : 156-E & G

164113

Int. Cl. : F 03 b 3/00; F 04 b 9/00.

CONTINUOUS PUMPED WATER STORAGE SYSTEM.

Applicant & Inventor : I.A.L. TATNAKAR, C/O DR. RAMA SHANKAR, HOUSE OF R.N. JHA, LOWER ROAD, NAYATOLA, PATNA-800004, BIHAR, INDIA.

Application No. 518/Cal/85 filed July 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A continuous pumped water storage system comprising :

a first and a second reservoir, the first reservoir being in flow communication with a plurality of compressors provided one above the other in a step down formation such that the water after the operation of the said compressors and from the said last compressor is collected in a first tank;

each of the said compressors being provided with an outlet for the flow of compressed air and connected to a main pipe line which is connected to an air chamber;

the said air chamber being provided with two outlets of which one is connected to the said first tank and the other to a second tank in which the discharge water from turbines are collected;

each of the said tanks being provided with a lift tubes;

one end of the said lift tubes being submerged in the respective first and second tanks while the other ends are connected to the said first and second

reservoirs such that the water collected in the said first and second tanks are air lifted to the said first and second reservoirs with the help of the compressed air from the compressors connected to the air chamber.

Compl. specn. 12 pages.

Drg. 1 sheet

CLASS : 85-J

164114

Int. Cl. : F 27 d 21/00, 21/02.

FLAME QUALITY MONITOR.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U. S. A.

Inventor : I. LARRY ARLISS JEFFERS.

Application No. 562/Cal/85 filed July 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A flame quality analyzer for analyzing the quality of a flame from a burner, comprising :

a fiber optic array including a plurality of optic fibers each having a light-receiving end for facing the flame, and lying on a line in a selected direction with respect to an axis of the burner wherein said fiber optic array transmits light from the flame corresponding to said selected direction; and

light-processing means connected to said fiber optic array for processing light from the flame comprising a monochromator for receiving the light from the flame and spreading the light from the flame to its component wave length, said light processing means further including a detector having a first and a second detector array of light sensors extending in a line for receiving a portion of the light from the flame at two discrete wavelengths to generate two sets of signals, each set of signals including an output of each light sensor.

Compl. specn. 16 pages

Drg. 1 sheet

Int. Cl. : F 16 f 15/20

164115

A VIBRATION ISOLATOR.

Applicant : MESSERSCHMITT-BOLKOW-BLOHM GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF D-8000 MUNICH 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : I. DIETER BRAUN.

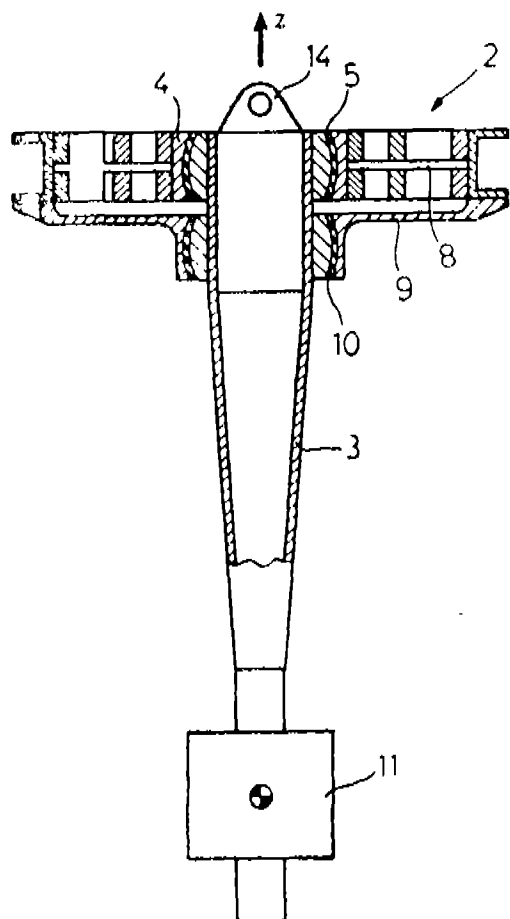
Application No. 565/Cal/85 filed August 8, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A vibration isolator for suppressing the transmission to a helicopter airframe, of rotor excitation emanating from a helicopter rotor, which isolator is arranged between a rotor/gearing unit and a helicopter airframe and includes a spring unit connected to the rotor/gearing unit and to the helicopter airframe and further including a pendulum bar which is connected at one end, by way of two spherical pendulum bearings, to the rotor/gearing unit and to the helicopter airframe and on the other free end of which is mounted a pendulum weight, characterised in that the spring unit has a plurality of leaf springs which are wound semi-circularly or spirally in one plane and which extend

between an inner ring connected to the helicopter airframe and an outer ring connected to the rotor/gearing unit, the inner ring receiving one of the spherical pendulum bearings arranged at one outermost end of the pendulum bar and the second spherical pendulum bearing being connected to the outer ring.



Compl. specn. 13 pages.

Drg. 2 sheets

Int. Cl. : F01d 25/00

164116

STEAM TURBINES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUKL DING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : 1. JOHN COMBE GROENENDAAL, JR.
2. BOYD BROWN.

Application No. 696/Cal/86 filed September 22, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

- A steam turbine comprising :
- an outercylinder (3);
 - an inner cylinder (5) disposed within the outer cylinder (3);
 - a blade ring (7) disposed partially within the inner cylinder (5) and partially within the outer cylinder (3);
 - a nozzle chamber assembly (9) disposed within the inner cylinder (5) for introducing motive steam to the turbine rotor blades and having nozzle chamber and nozzle block portions (9, 13);

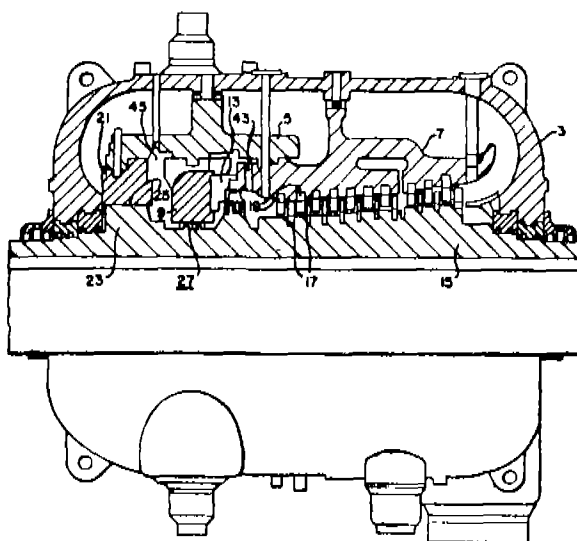
a rotor (15) having a plurality of circular arrays of blades (17) and a thrust balance piston (23) formed thereon;

a dummy ring (21) disposed within one end of the inner cylinder adjacent the balance piston (23); and labyrinth sealing means disposed between the dummy ring (21) and the balance piston (23) and forming a limited leakage rotating seal therebetween;

characterized in that a stationary sealing means (41) is disposed between the nozzle block (13) and the blade ring (7);

that labyrinth sealing means (27) are disposed between the nozzle chamber assembly (3) and the rotor (15) so as to form a seal therebetween, such that the inner cylinder (5), nozzle chamber (9), nozzle block (13), blade ring (7), dummy ring (21) and rotor (15) and said sealing means cooperate to form an enclosed seal chamber (45) which confines the steam acting on the balance piston (23); and

that a port (43) is disposed in the blade ring (7) so as to provide fluid communication with the sealed chamber (45) and located down stream of the first circular array of rotor blades (17).



Compl. specn. 8 pages

Drg. 2 sheets

Int. Cl. : H01h 1/00

164117

A CONTACT ARRANGEMENT FOR A LOW-VOLTAGE ELECTRIC CIRCUIT BREAKER.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ, 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor : 1. BERND ADAM.

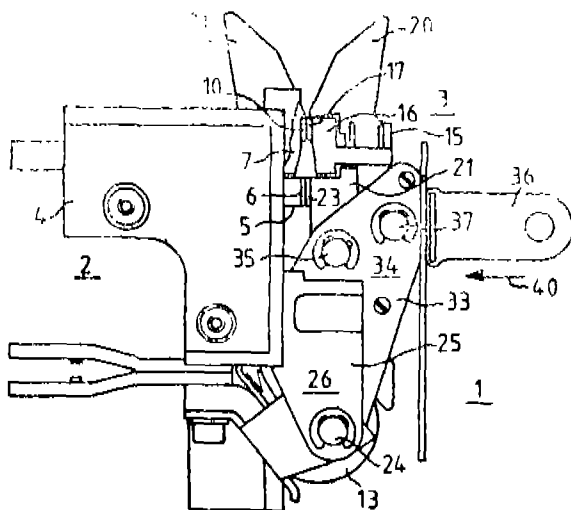
Application No. 726/Cal/86 filed October 6, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A contact arrangement for a low-voltage electric circuit breaker having a fixed part and a movable part which includes a pivotally mounted holder which supports a bearing pin on which are mounted, so as to turn substantially independently of one another about the bearing pin, at least two main contact levers and at least one arcing contact lever, the contact levers being separated by intermediate members which support the bearing pin from a

coupling pin which pivotally connects the holder to a coupling element which can be connected to a driving device, displacement of which displaces the holder and thus opens or closes the contacts.



Compl. specn. 8 pages

Drg. 2 sheets

Int. Cl. : A 61 k 39/00

164118

A PROCESS OF PREPARING A HOMOEOPATHIC MEDICINE OF THE NOSODES GROUP FOWL POXINUM.

Applicant & Inventor : NANIGOPAL JANA, VILL : BHATENDA P.O. RAJARHAT, DIST. NORTH 24-PARGANAS, PIN-743510, INDIA.

Application No. 32/Cal/87 filed January 12, 1987.

Compl. specn. left on 10th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process of preparing a Homoeopathic Medicine for the treatment of the diseases like Fowl Pox etc; comprising collecting body parts such as wart-like nodules of pos (comb, eyes, corner of the beaks) and diphtheritic membrane in mouth cavity of the suffering or freshly dead Fowls attacked with pos, drying, mixing & rubbing the same substance with pure sugar of milk of predetermined quantity and obtaining the medicine in different dilutions or potencies in conventional manner.

Provisional specn. 2 pages

Drg. Nil

Compl. specn. 6 pages

Drg. Nil

Int. Cl. : A 61 k 39/00

164119

A PROCESS OF PREPARING A HOMOEOPATHIC MEDICINE OF THE NOSODES GROUP MAREKINUM.

Applicant & Inventor : NANIGOPAL JANA, VILL : BHATENDA P.O. RAJARHAT, DIST. NORTH 24-PARGANAS, PIN 743510, INDIA.

Application No. 34/Cal/87 filed January 12, 1987.

Complete specn. left on 10th June, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process of preparing a Homoeopathic Medicine, for the treatment of the diseases like Marek's etc; comprising collecting body parts such as spleen and tumours from oviduct, ovary, uterus, kidneys, pancreas, liver of the suffering or freshly dead fowls affected with Acute Marek's disease, drying, mixing & rubbing the same substance with pure sugar of milk of predetermined quantity and obtaining the medicine in different dilutions or potencies in a conventional manner.

Provisional specn. 2 pages

Drg. Nil

Compl. specn. 12 pages

Drg. Nil

CLASS : 83-A₁.

164120

Int. Cl. : A 21 d 8/00.

.. METHOD OF MAKING ON EDIBLE FIRM GEL COMPOSITION CAPABLE OF BEING GROUND FOR PRODUCING SOFT-TEXTURED BAKED PRODUCTS.

Applicant : NABISCO BRANDS, INC. AT NABISCO BRANDS PLAZA, PARSIPPANY, NEW JERSEY 07054, U. S. A.

Inventors : 1. FRED VANDERVEER, 2. ALOYSIUS J. KNIPPER, 3. ROBERT STRAKA, 4. ALEX J. SQUICCIARINI.

Application No. 70/cal/85 filed February 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method for making an edible firm gel composition capable of being ground for producing soft-textured baked products from a dough, comprising mixing :

- (a) an edible viscous liquid selected from the group consisting of a syrup, honey molasses, glycerine, and mixtures thereof which functions primarily as a humectant;
- (b) from 0.25 to 4 parts by weight of an edible gum capable of being set by calcium ions selected from the group consisting of alginate salts, carrageenan, agar, gum, locust bean gum, starch, protein, and mixtures thereof, and
- (c) from 0.1 to 4 parts by weight of a calcium ion source for setting said gum,

said parts by weight being based upon 100 parts by weight of said edible viscous liquid, said mixing being under high shear mixing conditions to at least substantially avoid the initial formation of lumps and to form an at least substantially homogeneous, lump-free blend.

Compl. Specn. 55 pages.

Drg. Nil.

Int. Cl.⁴ : C 08 F 114/06

164121

AN IMPROVED PROCESS FOR POLYMERIZING VINYL CHLORIDE TO PREVENT SCALE FORMATION.

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA-SHI, JAPAN.

Inventors : (1) EIETSU TOYOOKA, (2) YOSHIO TOHISHIMA, (3) YASUHIRO NOJIMA.

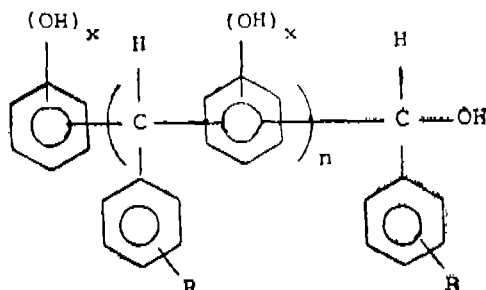
Application No. 1050/Mas/84 filed December 28, 1984.

Divisional to Patent No. 155966 (130/Cal/82). Antidated to 3rd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

10 Claims

In a process for polymerising vinyl chloride or a mixture of vinyl chloride and other monomers which are copolymerisable with vinyl chloride the improvement comprises in carrying out the polymerisation in a reactor having an agitator, with blades, and a reflux condenser the said agitator blades of the reflux condenser being coated with a reaction product obtained from the reaction of a polyhydric phenol and an aromatic aldehyde selected from the group consisting of benzaldehyde and derivatives of benzaldehyde, said reaction product having an average molecular weight of less than 2000 and the general formula I of the accompanying drawings



wherein x is an integer of 2 to 3, n is zero or an integer of 1 to 9, R is hydrogen or an alkyl group having a to 10 carbon atoms, to prevent polymer scales formation.

Compl. specn. 20 pages

Drg. 2 sheets

Int. Cl.⁴ : F 16 F 9/48

164122

VEHICLE SUSPENSION APPARATUS INCLUDING DAMPER MEANS.

Applicant : QUINTON HAZELL PLC, A BRITISH COMPANY, OF CONWAY ROAD, COLWYN BAY, CLWYD, LL28 5BS, NORTH WALES, ENGLAND.

Inventors : (1) GUNTER PERSICKE, (2) JAMES RICHARD CHILD, (3) PETER FREDERICK BAKER.

Application No. 46/Mas/85 filed January 19, 1985.

Convention date : 20th January, 1984 (No. 8401491; Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

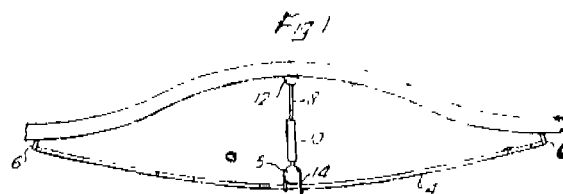
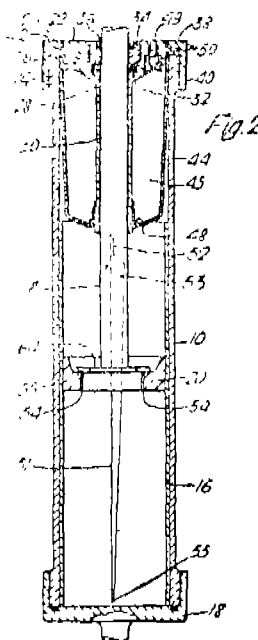
9 Claims

Vehicle suspension apparatus including damper means comprising a cylinder containing fluid to a required level, a piston arranged for relative sliding movement within the cylinder, a piston rod connected to the piston and extending outside the cylinder and a plurality of fluid passage means to permit fluid flow past the piston and to provide a differential flow resistance in opposite directions of relative movement of the piston, characterised in that—

- (a) said fluid passages include the combination of (1) valve controlled fluid passage means (54, 56) to provide differential resistance to relative movement of the piston in opposite directions, and (2)

a further fluid passage (51) without valve control and permitting fluid flow in both direction, said further passage including an elongated slot (51) extending longitudinally along the damper with variable cross section of the further passage with relative movement of the piston, thereby providing variable rate damping, the slot (51) being closed at one end and (52) to prevent fluid passage and thereby provide an hydraulic stop when the damper is fully extended; and

- (b) compressible gas (45) is arranged in the cylinder to act as pressure controlling means to apply a variable pressure on the fluid in the cylinder ahead of the piston during relative movement of the piston to control the damping characteristics.



Compl. specn. 15 pages

Drg. 5 sheets

Int. Cl.⁴ : C 08 L 63/00

164123

EPOXY RESIN COMPOSITION.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN-48640, U. S. A.

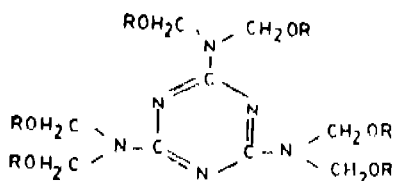
Inventor : DIETER HO KLEIN, RAYMOND KOENIG, ROBERT URSCHLER.

Application No. 87/Mas/85 filed 31 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

15 Claims

Epoxy resin composition containing an epoxy resin, a curing agent, an organic solvent and an accelerant and other known customary additives, wherein the curing agent is the reaction product of a hexaalkyl ether of a hexamethylmelamine of the general formula I of the accompanying drawings in which each R is independently an alkyl radical of 1 to 4 carbon atoms, with a polyhydric phenol and a monohydric phenol, the phenol compound(s) being used in an amount such as to produce a ratio of at least one reactive phenolic hydroxyl group for every alkoxy group.



Compl. specn. 36 pages.

Drg. 1 sheet

Int. Cl.⁴ : C 01 B 3/32

164124

AN IMPROVED PROCESS AND APPARATUS FOR AMMONIA SYNTHESIS GAS PRODUCTION.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURY ROAD, DAMBURY, STATE OF CONNECTICUT 06817, U. S. A.

Inventor : ANDRIJA FUDERER.

Application No. 98/Mas/85 filed 6 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Banrgh.

15 Claims

An improved process for the production of ammonia synthesis gas comprising :

- (a) catalytically reacting a hydrocarbon feed stream with steam in a primary reforming unit to form a primary reformed gas mixture containing hydrogen and carbon monoxide;
- (b) passing said primary reformed gas mixture to a secondary reforming unit for reaction of unconverted methane present therein with air, the amount of said air introduced to said secondary reforming unit being considerably in excess of that required to furnish the stoichiometric amount of nitrogen required for reaction with hydrogen for said ammonia synthesis;
- (c) subjecting said secondary reformed gas mixture to water gas shift conversion to convert carbon monoxide present in said reformed gas mixture to hydrogen and carbon dioxide;
- (d) passing the thus-shifted gas mixture to a pressure swing adsorption system capable of selectively adsorbing carbon dioxide, carbon monoxide, methane and other impurities from said hydrogen and from a portion of said nitrogen present in the gas passed to said system, the processing cycle in the pressure swing adsorption system comprising :

- (i) introduction of the thus-shifted gas mixture to the inlet end of an adsorbent bed at an effective adsorption pressure level, with adsorption of impurities therefrom and discharge of a partially purified ammonia synthesis gas mixture of hydrogen and nitrogen from the discharge end thereof;
- (ii) partial cocurrent depressurization of the adsorbent bed with release of hydrogen-containing void space gas from the discharge end of bed;
- (iii) countercurrent depressurization of the bed with release of gas from the inlet end thereof, thereby depressurizing the bed to its lower desorption pressure;
- (iv) introduction of purge gas to the discharge end of the bed at its lower desorption pressure level, with discharge of purge gas effluent from the inlet end of the bed;
- (v) repressurization of the purged bed to said adsorption pressure level; and
- (vi) repetition of said cyclic steps (i)-(v) with additional quantities of the thus-shifted gas mixture, whereby excess nitrogen present in the reformed gas mixture, being treated is conveniently removed in the pressure swing adsorption system, and the desired ammonia synthesis gas is produced without a requirement for employing an air separation or nitrogen plant to provide the nitrogen content of said ammonia synthesis gas.

Compl. specn. 27

Drg. Nil

Int. Cl.⁴ : D 01 H 5/22

164125

DRAFTING MECHANISM FOR SPINNING MACHINES.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : MONDINI GIANCARLO; HEFTI WALTER; KAUFMANN SIEGFRIED.

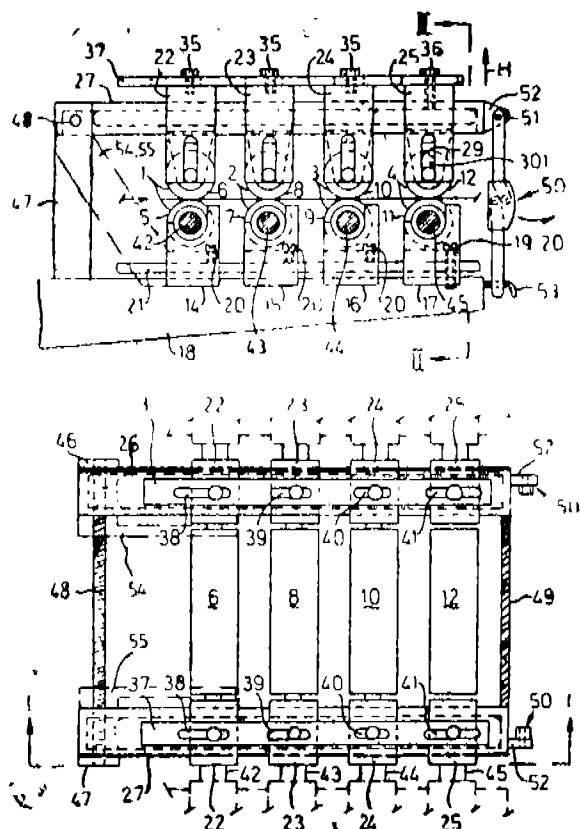
Application No. 100/Mas/85 filed 7th February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Banrgh.

6 Claims

Drafting mechanism for spinning machines for drafting a staple fibre web, a staple fibre sliver or a staple fibre slubbing comprises at least one infeed roller pair (1), one intermediate roller pair (2, 3) and one exit roller pair (4), each comprising a lower roller (5, 7, 9, 11) and a pressure roller (6, 8, 10, 12) which are received on both sides in support elements (14, 15, 16, 17, 22, 23, 24, 25), at least some of the support elements (14, 15, 16, 17) receiving the lower rollers (5, 7, 9, 11) being slidably arranged in their positions with respect to each other on rails (18) and/or at least some of the support elements (22, 23, 24, 25) receiving the pressure rollers (6, 8, 10, 12) being adjustably arranged in their positions relative to each other on elements (26, 27) of the said frame being liftable, wherein the support elements (14, 15, 16, 17) receiving the lower rollers (5, 7, 9, 11) and/or the support elements (22, 23, 24, 25) receiving the pressure

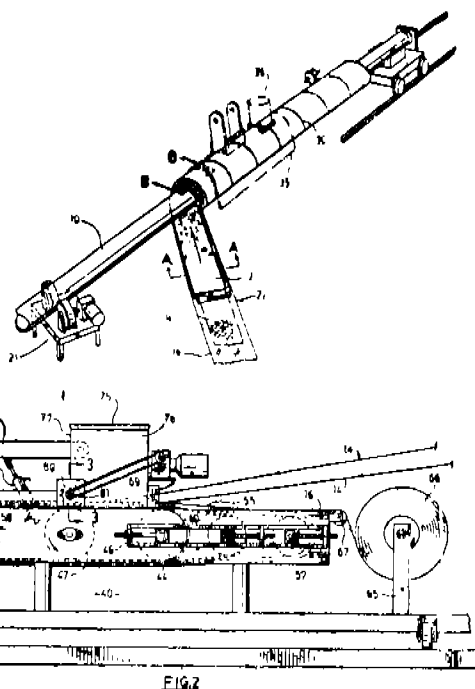
rollers (6, 8, 10, 12) are being connectable to each other on both sides of the rollers by respective connecting elements (21, 37).



Compl. specn. 14

Drg. 2 sheet

complementary rebated edges defining laterally offset inner and outer strip portions, the strip being wrapped helically onto the pipe with the rebated edges of adjacent convolutions overlapping, said inner strip portions of adjacent convolutions merging to form said continuous inner portion of the outer layer and said outer strip portions of adjacent convolutions being separated to define said helical slot in the outer portion of the outer layer.



Compl. specn. 22 pages.

Drg. 6 sheets

Int. Cl. 4 : F 16 L 58/04

164126

A METAL PIPE HAVING A PROTECTIVE COATING AND A METHOD OF MAKING THE SAME.

Applicant : SHAW INDUSTRIES LTD., A COMPANY ORGANIZED UNDER THE LAWS OF CANADA, OF 25, BETHRIDGE ROAD, REXDALE, ONTARIO, CANADA M9W 1M7.

Inventor : HAROLD FRANCIS JARVIS.

Application No. 111/Mas/85 filed February 11, 1985.

Convention dated to 22nd February, 1984, Canada, Appln. No. 447, 994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

16 Claims

A metal pipe having a protective coating consisting of an inner, water-impermeable, corrosion barrier layer bonded to the pipe surface and an outer, water-permeable layer of impact-resistant and penetration-resistant cladding material having an elongation not exceeding 2.2%, said cladding material having a layer of mesh reinforcing material embedded therein, said outer layer comprising a continuous inner portion covering the corrosion barrier layer and an outer portion which is helically slotted to the depth of said reinforcing layer, the slot having axially offset inner and outer portions which overlap, said adjacent overlapping convolutions being articulately interconnected so permitting limited bending of the pipe, wherein the layer of cladding material is formed as a continuous strip incorporating said mesh reinforcing material and having

Int. Cl. 4 : H 05 B 3/10

164127

AN ELECTRICAL HEATING DEVICE.

Applicant : RAYCHEM CORPORATION, OF 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA-94025, U.S.A. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CALIFORNIA, U.S.A.

Inventor : NEVILLE SAM BATLIWALLA, MICHAEL CHARLES JONES, JEFF SHAFT, WILLIAM DOMINIC CARLOMAGNO.

Application No. 119/Mas/85 filed 12 February 1985.

Convention dated 13th February 1984 (No. 8403695; United Kingdom).

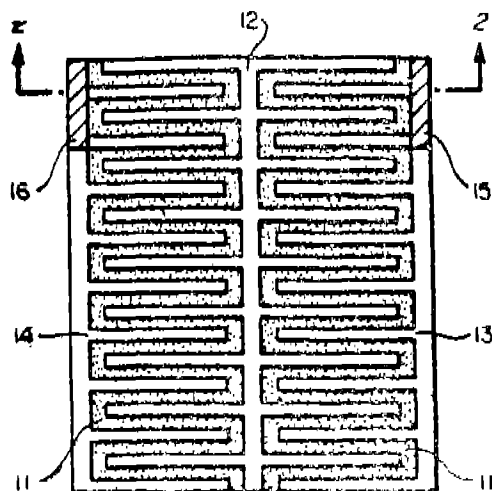
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

8 Claims

An electrical heating device having a sheet heating element which comprises :

- (i) a laminar resistive heating element which is at least 0.002 inch (0.005 cm) thick and is composed of a conductive polymer composition comprising a known organic polymer and a known particulate conductive filler and the said composition having a resistivity at 23°C of 100 to 100,000 ohm.cm; and
- (ii) a plurality of spaced apart electrodes, at least two of which are connectable to a source of electric power, each electrode comprising parts which interdigitate with parts of an adjacent electrode, and which are dimensioned and positioned so that —

- (a) when current passes between the electrodes, the current flows in the place of the laminar element; and
- (b) the ratio of the average width of the electrodes, to the average distance between adjacent electrodes between which current passes, is at least 0.01 : 1.



Compl. specn. 18 pages.

Drg. 4 sheets

Int. Cl.⁴ : C 04 B 24/12

164128

A PROCESS FOR MANUFACTURING AN IMPROVED AQUEOUS CEMENT SLURRY.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventor : DRUCE K. CRUMP; JAIME SIMON; DAVID A. WILSON.

Application No. 125/Mas/85 filed 14 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

8 Claims

In a process for preparing a cement slurry by any known manner, the improvement comprises in adding to the slurry, at a temperature of at least 82°C, a cement retarding additive at least .2% of phosphonomethylated bis (aminoalkyl) piperazine compound having the formula shown in Fig. 1 of the accompanying drawing, wherein n is 2-3 and substituents A, B, X and Y are independently selected from radicals consisting of hydrogen, hydroxyalkyl (wherein the alkyl group contains 2-6 carbon atoms); methylenephosphonic; methylene-, ethylene- and propylene-sulfonic; hydroxymethyl-, hydroxyethyl- and hydroxy propylsulfonic acid radicals; carboxylic acid radicals (having 2-4 carbon atoms) and the alkali or alkaline earth metal, ammonium and amine salts of any of the phosphonic, sulfonic or carboxylic acid derivatives, and wherein the said compound of the formula shown in Fig. 1 at least one of A, B, X and Y is a methylene-phosphonic acid radical or a salt thereof.

The improved aqueous cement slurry described here is useful as oil-well cement.

Compl. specn. 19 pages

Drg. 1 sheet

Int. Cl.⁴ : B 01 F 3/12, 3/20

164129

A PROCESS FOR PREPARING AN AQUEOUS COAL-PARTICLE SLURRY.

Applicant : SNAMPROGETTI S.P.A., A COMPANY ORGANISED UNDER THE LAW OF THE ITALIAN REPUBLIC, OF CORSO VENEZIA 16, MILAN, ITALY.

Inventor : VINCENZO IAGANA; CARLO PICCININI; TARCISIO ORLANDI; OSVAIDO PARONUZZI.

Application No. 130/Mas/85 filed 15 February 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

9 Claims

A process for preparing an aqueous coal-particle slurry, to be used as a liquid-fuel substitute, comprising the steps of subjecting the coal to be slurried to a preliminary coarse dry-crushing to achieve a maximum coal particle size of 6 mm and to two consecutive wet-milling operations, wherein the first wet-milling operation is a micronization of the preliminarily dry-crushed coal particles in the presence of additives selected from among non-surfactant anionic polyelectrolytes and mixtures of sulphonates and solidified mixtures containing at least 20% by weight of aromatic fractions, the solid-to-liquid phase weight ratio being comprised between 35 : 65 and 60 : 40, to be continued until such time as a maximum coal particle size of 20 microns is attained, and the second wet-milling operation is applied to both the aqueous slurry of the coal-particles existing the first wet-milling operation and the preliminarily dry-crushed coal particles, to be continued until such time as a maximum coal-particle size of 300 microns is attained, the ratio of the weight of the coal-particle slurry exiting the first wet-milling operation to the weight of the preliminarily dry-crushed coal-particles being comprised between 46 : 54 and 75 : 25.

Compl. specn. 10 pages.

Drg. Nil

Int. Cl.⁴ : B 01 J 21/12

164130

A METHOD OF MANUFACTURING A ZEOLITE.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE OF 4 AVENUE DE BOIS PREAU 92502 RUEIL-MALMAISON, FRANCE.

Inventor : PIERRE DUFRESNE, CHRISTIAN MARCILLY.

Application No. 226/Mas/85 filed 25 March 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Bench.

3 Claims

A method of manufacturing a zeolite which is prepared by lowering the sodium level of a Y-Na zeolite having a molar ratio SiO₂ / Al₂O₃ between 4 and 6, a crystalline parameter between 24.60×10⁻¹⁰m and 24.80×10⁻¹⁰m and specific surface area between 750 and 950 m²/g, to a value 3% by weight in one or more exchanges with a solution of an ionisable ammonium salt and obtaining NH₄Na Y zeolite by hydrothermic treatment at a temperature between 500°C and 850°C at a partial water vapor pressure between 0.05 and 10 bar for at least 20 minutes to obtain a stabilized zeolite and treating the said stabilized zeolite in one or more steps by a solution of an organic or inorganic acid or of a complexing agent such as herein described.

The zeolite catalyst manufactured by this method are utilised either in hydro cracking reactions or in cracking reactions of heavy petroleum fractions.

Compl. specn. 32 pages.

Drg. 1 sheet

R. A. ACHARYA

Controller General of Patents, Designs and Trade Marks